

U.S. Department
of Transportation

**United States
Coast Guard**



WLB
STATUS OF RESOURCES AND TRAINING SYSTEM
(SORTS)
DECISION AIDS

COMDTINST M3501.24B

FOR OFFICIAL USE ONLY



COMDTINST M3501.24B

APR 15 1994

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COMMANDANT INSTRUCTION M3501.24B

Subj: WLB STATUS OF RESOURCES AND TRAINING SYSTEM (SORTS)
DECISION AIDS

- Ref: (a) Coast Guard Measurement Strategy and Responsibilities, COMDTINST 5224.9 (series)
(b) Required Operational Capability (ROC) and Projected Operational Environment (POE) for the WLB 180 Class Seagoing Buoy Tender, COMDTINST C3501.31 (series)
(c) Status of Resources and Training System (SORTS), NWP 10-1-11 (series)
(d) Status of Resources and Training System (SORTS) for Coast Guard Units, COMDTINST M3501.2 (series)
(e) Cutter Training and Qualification Manual, COMDTINST M3502.4 (series)
(f) Casualty Reporting Procedures (MATERIEL), COMDTINST M3501.3 (series)
(g) Personnel Allowance List (PAL)
(h) Contingency Personnel Allowance List (CPAL)

1. PURPOSE. To provide a set of decision aids that may be used as a self-measurement tool for helping assess operational readiness as part of a unit's program to meet the measurement requirements of reference (a). And, to provide those units required to report into the Status of Resources and Training System (SORTS) with decision aids and guidelines to help determine a cutter's SORTS status. When used with references (b) through (h), these decision aids will improve the quality and consistency of information needed for reporting in SORTS.

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	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
A													2													
B		8	20*		1																					
C																										
D																										
E																										
F																										
G																										
H																										

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COMDTINST M3501.24B

2. ACTION. District commanders shall ensure that subordinate units that are required to report their SORTS status comply with the assessment criteria in the decision aids.
3. DIRECTIVES AFFECTED. COMDTINST M3501.24A is cancelled.
4. DISCUSSION. The decision aids use the status of specific elements of cutter personnel, training, and material to objectively assess the cutter's readiness to meet the mission performance standards assigned in the WLB 180 Class ROC/POE. They are organized to correspond with the step-by-step procedures promulgated in references (c) and (d) to help the SORTS writer complete an accurate SORTS report with minimum effort.
5. PROCEDURE.
 - a. Decision aids may be used as a self-measurement tool to help assess unit operational readiness as part of the unit's measurement program.
 - b. Unit commanding officers shall also use these decision aids in preparing and reporting resource-specific SORTS assessments for the unit's Primary Mission Areas, when required by reference (d) or as directed by the chain of command.
6. CHANGES. Recommendations for changes to these decision aids shall be submitted to Commandant (G-RER), via the chain of command.
7. REPORTS. The decision aids are used in the preparation of the Status of Resources and Training System (SORTS) report, RCN-3501-01, when required.



G. A. PENINGTON
CHIEF, OFFICE OF READINESS AND RESERVE

RECORD OF CHANGES

[illegible]

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CHAPTER 1. INTRODUCTION

- A. Purpose. To provide a set of decision aids and guidelines to help determine a cutter's status within the Status of Resources and Training System (SORTS). When used with references (b) through (h), these decision aids will improve the quality and consistency of readiness information contained in the SORTS database.
- B. Applicability. These decision aids help the unit SORTS writer determine unit status for the following elements of the SORTS report:
1. Mission, Resource Area, and Overall Status. The decision aids assist in the objective evaluation of assigned Coast Guard and Naval Warfare missions. The missions are organized under resource areas and are summarized under an overall status in line with the step-by-step procedure of status assessment detailed in references (c) and (d). This process is accomplished twice; once to determine Naval Warfare mission, resource area, and overall statuses, and once to determine Coast Guard mission, resource area, and overall statuses.
 2. Commander's Assessment of Percent Effective (PCTEF). The decision aids provide broad guidance to help the commanding officer determine a subjective assessment of the unit's current ability (within the next 72 hours) to undertake all assigned Naval Warfare missions. The assignment of PCTEF considers the overall Naval Warfare (CROVL) rating and other tangible and intangible factors that impact on the unit's readiness to perform its assigned primary Naval Warfare missions. Since the status of resources and training are always major factors in determining PCTEF, commanding officers are limited to a range of PCTEF values associated with the unit's current CROVL rating.
 3. Major Equipment (MEOPT) and Crew Data (CREWA). The major equipment listed in the decision aids was selected from the list provided in reference (c) and is specific to this class of cutter. For uniformity, cutters should only report the major equipment listed in the decision aids.
 4. Chemical, Biological Defense Status (CBD). The decision aids assist in the objective determination of chemical, biological defense status. CBD status is reported by all units, even those not normally trained or equipped for CBD operations. CBD is not a mission area. CBD status is not used to compute mission, resource area, and overall status. It should only be used as a factor in determining the commander's assessment of percent effective (PCTEF) when CBD equipment and/or training are immediate factors that could impact mission performance.

CHAPTER 2. PROCEDURES AND INSTRUCTIONS

A. SORTS Assessment Procedures.

1. Step-by-step assessment procedures are detailed by the Navy in reference (c) and are further modified by the Coast Guard in reference (d). Use copies of the foldout worksheets provided in the back of reference (c) to help complete the SORTS report.
2. Chapters 3 and 4 of reference (c) and enclosures (3) and (4) of reference (d) explain how to format the heading and report general status information on the cutter.
3. Chapter 5 of reference (c) and enclosure (5) of reference (d) deal specifically with the evaluation of missions and the resources (personnel, supply, equipment, and training) required to complete them.
 - a. Begin the unit status assessment with step 1. Step 3 explains when the unit does not need to assess mission and resource status due to special situations like a major overhaul.
 - b. These decision aids support steps 4 through 7, where the SORTS writer must examine the status of resources needed to accomplish each primary mission, and assign mission ratings and degradation reason codes. In steps 8 through 20, mission resource data is evaluated and summarized into four resource area ratings and a single overall rating. Remember that steps 4 through 20 must be accomplished twice; once to determine Naval Warfare mission, resource area, and overall statuses, and once to determine Coast Guard mission, resource area, and overall statuses.
 - c. These decision aids also provide guidance on how to determine the commander's assessment of percent effective (PCTEF) in step 21. PCTEF is assessed and reported only for primary Naval Warfare missions.
4. Chapter 6 of reference (c) and enclosure (6) of reference (d) detail procedures for reporting additions, changes, and deletions to unit status data.
5. Chapter 7 of reference (c) and enclosure (7) of reference (d) detail procedures for reporting major equipment (MEQPT) and crew data (CREWA).

6. Finally, these decision aids support chapter 8 of reference (c), and enclosure (8) of reference (d) where chemical, biological defense (CBD) status is determined. CBD status is reported by all units, even those not normally equipped and/or trained for CBD operations. CBD is not a mission area. It is reported under the Special Capability (SPCAP) reporting label.

B. How to Use the Decision Aids.

1. The decision aids are organized by level of importance, with the most critical questions asked first.
2. Use the decision aids to compute status ratings as follows:
 - a. The rating is a numerical value that corresponds with status categories, defined in reference (c). Determine the rating for the question or item by moving from left to right until a maximum standard can be met. In most cases a "yes" will result in a better rating. The box where the item line intersects the appropriate rating column can be checked lightly in pencil or the rating can be written on a separate piece of paper for further comparison and evaluation.
 - b. Evaluate each question or item using the choices offered in the blocks to the right of the item and the "<YES/NO>" guide at the top of each decision aid section. The choices in each block of the "<YES/NO>" columns are numerical, percentages, a short phrase, a word, or a symbol. A "yes" earns the rating to the left of the box, and a "no" earns a rating to the right. The choice symbol "*-->" means the answer to the question is simply either yes or no. A choice followed by an arrow "---->" that covers more than one block follows the same pattern.
 - c. The "#" is used to indicate a footnote.
 - d. The design of the form is intentionally truncated where no evaluation criteria exists. Many items can only be evaluated to a minimum rating of "2", for example.
 - e. The worst item rating (largest number) for a particular mission resource area shall be transferred to the SORTS worksheet. For example, if there were five items evaluated in a particular mission resource area and their individual ratings were "1, 1, 2, 3, 2", the rating for that mission resource area would be a "3".

- f. Commanding officers may downgrade or lower the rating (assign a higher number) for any particular mission resource area if there is a compelling reason to do so. However, the reason shall be noted in the remarks section of the SORTS report.
 - g. Commanding officers shall not upgrade or raise the rating (assign a lower number) for any particular mission resource area once it is determined by using the appropriate decision aid.
- 3. The Coast Guard Mobility (CGM) and Naval Warfare Mobility (MOB) missions are related, but are assessed and reported separately. The MOB rating is a function of the CGM rating, but the CGM rating is not dependent on the MOB rating. A number of other Coast Guard and Naval Warfare missions are also interdependent.

CHAPTER 3. READINESS ASSESSMENT DECISION AIDS

A. Personnel Resource Area (NWP 10-1-11, Chapter 5, Step 4).

CGM/PERSONNEL

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 Use the PAL to determine what percentage of the following personnel are onboard.				
a All Personnel	90%	80%	70%	
b BM, QM, MK, EM, ET, and DC Ratings	85%	75%	65%	
c Enlisted Supervisors, E-5 and above, for the ratings listed above	85%	75%	65%	
2 How many graduates of the following formal schools are onboard?				
a Advanced Shipboard Fire-fighting (A-495-0419)	2	1----->		
b Damage Control Portable Emergency Pump Operation & Maintenance P-250 MOD 1 (A-495-2058) or (DC-5)	1----->			
c Advanced Analog Electronics Logic (EM-01)	1			
d Advanced Digital Electronics Technician (EM-02)	1			
e Aluminum Welding (DC-2)	1			
f AN/SPS-64 (V) Radar System Maintenance (NAV-07)	1			
g Damage Control Assistant (A-4G-0020)	1			
h Engineering Officer/Main Propulsion Assistant Indoctrination (EO-16)	1			
i Fuel Handling/Oily Water Separator (MK-2)	1			
j General Shipboard Firefighting Training (A-495-0412)	1			
k Radar NAV Team Training (J-221-0345)	1			
l Generator/Steam Generator/Oily Water Separator Electrical/Electronic Controls (EM-21)	1			
m GM 8-567-E2 & 8-645-E2 Diesel Engines (MK-14)	1			

(continued)

CGM/PERSONNEL (cont'd)

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
n HS Shipboard Training (B-322 (series))	1			
o Hydraulic Systems and Equipment (MK-6)	1			
p Repair Party Leader (A-495-0040)	1			
q Steel Welding (DC-1)	1			
r Synchros/Synchro Amps MK-27 Gyro System (EM-20)	1			
s Subsistence Specialist Management and Administration (CG-022)	1			

MOB/PERSONNEL

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the CGM Personnel rating?	1	2	3	
2 Use the PAL + CPAL to determine what percentage of the following personnel are onboard.				
a All Personnel	90%	80%	70%	
b BM, QM, MK, EM, ET, and DC Ratings	85%	75%	65%	
c Enlisted Supervisors, E-5 and above, for the ratings listed above	85%	75%	65%	

CGX/PERSONNEL

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 Use the PAL to determine what percentage of the following personnel are onboard.				
a RM, QM, and ET Ratings	85%	75%	65%	
b Enlisted Supervisors, E-5 and above, for the ratings listed above	85%	75%	65%	
2 How many graduates of the following formal schools are onboard?				
a Communications Security Material System - Basic (A-4C-0014)	2	1----->		
b Advanced COMMS Procedures (J-201-0807) #	1			
c COMMS System Operator (A-260-0063) #	1			
d COMSTA/Shipboard Watch (RM-01) #	1			

(continued)

CGX/PERSONNEL (cont'd)

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
e AN/UPX 28 (APX-72 IFF Transponder Maintenance (A-102-0063) ##		1					
f Surface COMSEC Maintenance (A-160-0116) ##		1					
g AN/WSC-3 Maintenance (COM-01) ##		1					

When equipped and an RM is assigned.

Does not apply to D9 WLBs operating in D9.

CCC/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the CGX Personnel rating?		1		2		3	
2 Use the PAL + CPAL to determine what percentage of the following personnel are onboard.							
a RM, QM, and ET Ratings		85%		75%		65%	
b Enlisted Supervisors, E-5 and above, for the ratings listed above		85%		75%		65%	
3 How many graduates of the following formal school are onboard?							
a Allied Visual Communications (VCS)		1					

ATN/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 Use the PAL to determine what percentage of the following personnel are onboard.							
a BM, QM, MK, EM, ET, and DC Ratings		85%		75%		65%	
b Enlisted Supervisors, E-5 and above, for the ratings listed above		85%		75%		65%	
2 How many graduates of the following formal schools are onboard?							
a Aids Positioning (ANC-AP)		3		2		1	
b Buoy Deck Supervisor (ANC-BD)		3		2		1	
c Officer Basic ATON (ANC-OB)		3		2		1	
d Officer Advanced ATON (ANC-OA)		1					

ELT/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Use the PAL to determine what percentage of the following personnel are onboard.						
a	BM, QM, MK, EM, ET, and DC Ratings	85%		75%		65%	
b	Enlisted Supervisors, E-5 and above, for the ratings listed above	85%		75%		65%	
2	How many graduates of the following formal schools are onboard?						
a	Maritime Law Enforcement Boarding Officer Course (MLEBOC) or PQS qualified IAW COMDTINST M16247.3 (series)	2----->				1	
b	Maritime Law Enforcement Boarding Team Member (MLEBTM) or PQS qualified IAW COMDTINST M16247.3 (series)	6----->				3	
c	Outboard Motor Maintenance (MK-23)	1----->					
d	Small Arms Instructor (SAI)	1					

IOP/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the CGM Personnel rating?						
		1		2		3	

MSA/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Are sufficient personnel onboard and qualified to meet MSA mission requirements?						
		*----->					

SAR/PERSONNEL

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Use the PAL to determine what percentage of the following personnel are onboard.						
a	BM, QM, MK, EM, ET, and DC Ratings	85%		75%		65%	
b	Enlisted Supervisors, E-5 and above, for the ratings listed above	85%		75%		65%	

(continued)

SAR/PERSONNEL (cont'd)

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
2	Is there an Emergency Medical Technician certified by the National Registry of Emergency Medical Technicians onboard?				*----->			

FSO/PERSONNEL

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the SAR Personnel rating?		1		2		3	

INT/PERSONNEL

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the CGX Personnel rating?		1		2		3	
2	How many graduates of the following formal school are onboard?							
a	Collateral Duty Intelligence Officer School (CGINT400)		1					

LOG/PERSONNEL

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the MOB Personnel rating?		1		2		3	

MIW/PERSONNEL

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the MOB Personnel rating?		1		2		3	

NCO/PERSONNEL

		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the ELT Personnel rating?		1		2		3	
2	What is the MSA Personnel rating?		1		2		3	

B. Supply Resource Area (NWP 10-1-11, Chapter 5, Step 5).

CGM/SUPPLY

	1	2	3	4
	<YES/NO>	<YES/NO>	<YES/NO>	<YES/NO>
1	What percentage of the following is onboard?			
a	Total Usable Diesel Fuel	90%	80%	65%
b	Engineering CALMS Spares	90%	80%	65%
c	ERPAL Spares	90%	80%	65%
d	Emergency Escape Breathing Devices	90%	80%	65%
e	Potable Water	90%	80%	65%
f	Engineering Tools and Test Equipment	90%	80%	65%
g	Electronic Tools and Test Equipment	90%	80%	65%
2	How many days of the following are onboard?			
a	Lubricant Supplies #	20	14	7
b	Provisions #	20	14	7

If evaporator equipped,
rating days should be:

27

24

19

MOB/SUPPLY

	1	2	3	4
1 What is the CGM Supply rating?	1	2	3	

CGX/SUPPLY

	1	2	3	4
1 What percentage of the following is onboard?				
a ERPAL Spares	90%	80%	65%	
b Electronic Tools and Test Equipment	90%	80%	65%	

CCC/SUPPLY

	1	2	3	4
1 What is the CGX Supply rating?	1	2	3	

ATN/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What percentage of the following is onboard?				
a ERPAL Spares	90%	80%	65%	
b Electronic Tools and Test Equipment	90%	80%	65%	
c Engineering CALMS Spares for Boat and Boat Lowering Equipment	90%	80%	65%	

ELT/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What percentage of the following is onboard?				
a ERPAL Spares	90%	80%	65%	
b Electronic Tools and Test Equipment	90%	80%	65%	
c Engineering CALMS Spares for Boat and Boat Lowering Equipment	90%	80%	65%	
d CALMS Spares for the .50 Caliber Machine Gun	90%	80%	65%	
e Ordnance Tools and Test Equipment for the .50 Caliber Machine Gun	90%	80%	65%	
f .50 Caliber Ammunition NCEA	25%	15%	10%	
g Small Arms Ammunition NCEA	25%	15%	10%	

IOP/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What percentage of the following is onboard?				
a ERPAL Spares	90%	80%	65%	
b Electronic Tools and Test Equipment	90%	80%	65%	
c Engineering CALMS Spares	90%	80%	65%	
d Emergency First Aid and Medical Supplies	90%	80%	65%	

MSA/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the CGX Supply rating?	1	2	3	

SAR/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What percentage of the following is onboard?				
a ERPAL Spares	90%	80%	65%	
b Electronic Tools and Test Equipment	90%	80%	65%	
c Engineering CALMS Spares for Boat and Boat Lowering Equipment	90%	80%	65%	
d Emergency First Aid and Medical Supplies	90%	80%	65%	

FSO/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the SAR Supply rating?	1	2	3	

INT/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the CGX Supply rating?	1	2	3	

LOG/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the CGM Supply rating?	1	2	3	

MIW/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the ELT Supply rating?	1	2	3	

NCO/SUPPLY

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the ELT Supply rating?	1	2	3	
2 What is the MSA Supply rating?	1	2	3	

C. Equipment Resource Area (NWP 10-1-11, Chapter 5, Step 6).

CGM/EQUIPMENT

CGM/ EQUIPMENT		1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of DC Equipment allowance is available to repair fire, flooding, electrical, hull and structural damage?		90%		70%		60%	
2	What percentage of PAL + CPAL can be accommodated in Life Rafts/Boats?		150% Fully Outfitted and Inspected		100% Fully Outfitted and Inspected		100% Fully Outfitted	
3	Can the cutter fight a main space fire using equipment external to the engineroom? (minimum required: CO2)		*----->					
4	Is the following mission critical equipment operable?							
a	Air Compressors with the Propulsion Pneumatic Control System		2		1----->			
b	Central Hydraulic System		*----->					
c	Fire Pump		2		1----->			
d	Food Service Equipment		Full Meal Service		----->			Limited Meal Service
e	F/O Transfer Pump		2		1----->			
f	Gyrocompass and Magnetic Compass		Both----->				Either	
g	Main Diesel Engine		2		1----->			
h	MDE Starting System		*----->					
i	Main Motor		*----->					
j	Main Switchboard		*----->					
k	Navigational Lights		*----->					
l	PE-250/P-250 Pump		2		1----->			
m	Potable Water Pump		2		1----->			
n	Reefer Compressor		2		1----->			
o	Ship's Service Generator		2		1----->			
p	Ship's Service Boiler		2		1----->			
q	Ship's Whistle		*----->					
r	Steering Pump		2		1----->			
s	Anchor Windlass and Ground Tackle Systems		Both Systems		Either System			
t	Emergency Generator		*----->					
u	Evaporator (PACAREA cutters only)		*----->					

(continued)

CGM/EQUIPMENT (cont'd)

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
v Full allowance of Towing Equipment			*	----->			
w Magazine Sprinkler System			*	----->			
x Marine Sanitation Device			*	----->			
y Oily/Water Separator			*	----->			
z Other Critical Aux Systems			*	----->			
aa Surface Search Radar			*	----->			
bb Navigation Equipment: GPS OMEGA #, SATN #, LORAN-C			2		1		
cc Depth Sounder			*	--->			
4 Is the cutter capable of transiting a maximum of 18" of Hard Blue Ice independently at 3 Knots? (applies only to vessels seasonally involved in ice operations)			*	----->			
5 Is the Cutter fully outfitted in accordance with NWP 14 to conduct the following replenishment operations?							
a Astern (receive/provide fuel and water)			*	--->			
b Alongside/Sea Painter (receive/provide fuel and water)			*	--->			
c VERTREP			*	--->			

When equipped.

MOB/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the CGM Equipment rating?			1		2		3

CGX/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 Is the following mission critical equipment operable?							
a HF Transceiver 100 Watt (AN/URC-116)			2		*	----->	
b VHF-FM Transceiver			*	----->			
c High Frequency Data Link #			*	----->			
d Transmitter and Receiver Switchboards			*	----->			
e Surface Search Radar			*	----->			
f HF Coupler 100 Watt			2		1	----->	
g Frequency Shift Converter (AN/URA-17)			2		1	----->	

(continued)

CGX/EQUIPMENT (cont'd)

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
h UHF Transceiver (AN/WSC-3)	All----->			
i HF Transceiver	*----->			
j VHF-FM Secure Voice	All			
k UHF Secure Voice #	*--->			
l HF Secure Voice #	*--->			
m MF/HF DF Beacon	*--->			
n IFF (AN/UPX-28) #	*--->			
o Directional Flashing Light	*--->			
p Flag Bag	*--->			

Does not apply to D9 WLBS operating in D9.

CCC/EQUIPMENT

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What is the CGX Equipment Rating?	1	2	3	

ATN/EQUIPMENT

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 Is the following mission critical equipment operable?				
a Buoy Handling Equipment (inspected and weight tested)	*----->			
b Lead Line	*----->			
c Gyrocompass	*----->			
d ATON Day Shapes	*----->			
e Navigational Lights	*----->			
f Fathometer	*----->			
g Ground Tackle System	*----->			
h Surface Search Radar	*----->			
i Positioning Sextants	*----->			
j Alidades	*----->			
k Full allowance of Towing Equipment	*----->			
l GPS	*--->			
m Grapnel (400-500 pounds)	*--->			
n Laptop Automated Aids Positioning System	*--->			
o Loran-C	*--->			
3 Can the cutter provide the following quantities to offshore and other remote ATON facilities? #				
a Fuel	9,000 Gallons	8,000 Gallons	6,500 Gallons	
b Water	13,500 Gallons	12,000 Gallons	9,750 Gallons	
c Cargo	18 Tons	16 Tons	13 Tons	

Does not apply to D9 WLBS operating in D9.

ELT/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 How many 4-person Law Enforcement Boarding Parties can be fully outfitted with Small Arms, Ammunition, and Safety Equipment?			2----->			1	
2 Is the following mission critical equipment operable?							
a Surface Search Radar			*----->				
b Small Boats (RIB or MSB completely outfitted and fully operational)			2		1----->		
c .50 Caliber Machine Gun			2		1----->		
d Hand Held Radio			4		3		2
e VHF-FM Transceiver			*----->				
f HF Transceiver			*----->				
g VHF-FM Direction Finder			2		1		
h Big Eyes #			*--->				
i External or Portable Loud Hailer			*--->				
j Flag Bag			*--->				
k Flashing Light			*--->				
l HF Direction Finder			*--->				
m IFF #			*--->				
n Multi-Directional Searchlight			*--->				
o Night Vision Device #			*--->				
3 Is the cutter equipped to deliver fuel, water, and provisions to WPB class cutters?			*--->				

Does not apply to D9 WLBs operating in D9.

IOP/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the CGM Equipment rating?			1		2		3
2 Is the cutter equipped to conduct Domestic Ice-Breaking (18' minimum water depth)?			*----->				

MSA/EQUIPMENT

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 Is the following mission critical equipment operable?				
a Depth Sounder	*----->			
b Synoptic Weather Observation	*----->			
2 Is the cutter equipped to provide limited Hazardous Cargo Storage?	*--->			

SAR/EQUIPMENT

	1 <YES/NO>	2 <YES/NO>	3 <YES/NO>	4
1 What Percentage of Emergency First Aid, Medical Supplies and Equipment is onboard?	90%	70%	60%	
2 Is the following mission critical equipment operable?				
a Surface Search Radar	*----->			
b Small Boat (RIB or MSB completely outfitted and fully operational)	2	1----->		
c VHF-FM Transceiver	*----->			
d Deck Rescue Station	2	1		
e Handheld Radio	2----->			
f P-250 Mod 1 Pump	2	1		
g Portable Drop Pump	2	1		
h HF Transceiver	*----->			
i Towing Equipment (full allowance)	*----->			
j Buoy Handling Equipment (inspected and weight tested)	*--->			
k HF Direction Finder	*--->			
l Multi-Directional Searchlight	*--->			
m Night Vision Device #	*--->			
n Stokes Litter	*--->			
o VHF DF	*--->			
3 Can at least one fully outfitted At-Sea Rescue and Assistance Party be provided?	*----->			
4 How many Weather Deck Stations can deliver water?	All	2	1	

Does Not Apply to D9 WLBs operating in D9.

FSO/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the SAR Equipment rating?		1		2		3	

INT/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the CGX Equipment rating?		1		2		3	
2 Is the following mission critical equipment operable?							
a Camera and Accessories		*---					

LOG/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 Is the cutter equipped to deliver the following to WPBs and smaller vessels?							
a Fuel and Lubricants		*----->					
b Water		*----->					

MIW/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the MOB Equipment rating?		1		2		3	
2 Is the following mission critical equipment operable?							
a Degaussing System		*----->					

NCO/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the ELT Equipment rating?		1		2		3	
2 What is the MSA Equipment rating?		1		2		3	

D. Training Resource Area (NWP 10-1-11, Chapter 5, Step 7).

CGM/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of all CGM Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			
2	Are the following personnel PQS or JQR qualified?						
a	Percentage of qualified Condition IV (3 sections) Bridge and Engine Room Watchstanders	85%	70%	55%			
b	Percentage of Ship Control/Navigation Personnel	85%	70%	55%			
c	Percentage of Condition I Damage Control Personnel qualified in their billet assignments to fight fires, control flooding, and repair electrical, structural and hull damage	85%	70%	55%			
d	Condition I Repair Party Leaders	2	1----->				
3	Has a Monitoring Program been instituted to protect personnel from overexposure to hazardous levels of temperature, noise, vibration, and toxic substances?	*--->					

MOB/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the CGM Training rating?	1	2	3			
2	What percentage of all MOB Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			

CGX/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of all CGX Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			
2	Are the following personnel POS or JQR qualified?						
a	Percentage of qualified Condition IV (3 sections) Bridge and Engine Room Watchstanders	85%	70%	55%			
b	Radiotelephone Circuit Operator (NAVEDTRA 43307)	*----->					

CCC/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What is the CGX Training rating?	1	2	3			
2	What percentage of all CCC Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			

ATN/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of all ATN Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			
2	Are the following personnel POS or JQR qualified?						
a	ATON Detail (COMDTINST M3502.12 (series))	*----->					
b	Boat Crew	2	1----->				
c	Boat Lowering Detail	*----->					

ELT/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of all ELT Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			
2	Are the following personnel PQS or JQR qualified?						
a	Boarding Parties (4 per party)	2----->	1				
b	Boat Crew	2----->	1				
c	Boat Lowering Detail	*----->					
d	Machine Gun Crew (warning and disabling shots and Boarding Party cover)	2	1				

IOP/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Are Mission Essential Personnel trained and familiar with IOP equipment and procedures?	*----->					

MSA/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Are Mission Essential Personnel trained and familiar with MSA equipment and procedures?	*----->					

SAR/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of all SAR Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?	85%	70%	55%			
2	Are the following personnel PQS or JQR qualified?						
a	Boat Crew	2	1----->				
b	Boat Lowering Detail	*----->					
c	SAR On-Scene Commander Personnel	*----->					
d	Cutter Swimmer	*--->					

FSO/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the SAR Training rating?		1		2		3	

INT/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What percentage of all INT Exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?		85%		70%		55%	
2 Are Mission Essential Personnel trained and familiar with INT equipment and procedures?		*----->					

LOG/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 Are Mission Essential Personnel trained and familiar with LOG equipment and procedures?		*----->					

MIW/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 Are Mission Essential Personnel trained and familiar with MIW equipment and procedures?		*----->					

NCO/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1 What is the ELT Training rating?		1		2		3	
2 What is the MSA Training rating?		1		2		3	
3 What percentage of all NCO exercises listed in the Cutter Training and Qualification Manual, COMDTINST M3502.4 (series) have been completed within the specified time frame?		85%		70%		55%	

- E. Commander's Assessment of Percent Effective (NWP 10-1-11, Chapter 5, Step 21). The commander's assessment of percent effective (PCTEF) is a subjective assessment made by the commanding officer of the unit's current ability (for the next 72 hrs) to undertake all assigned Naval Warfare missions.

PCTEF - Step One

1	The commanding officer shall consider the following tangible and intangible factors:
a	Cutter's Overall (CROVL) Rating
b	Readiness Factors <ul style="list-style-type: none"> Personnel Equipment and Supplies Equipment Condition Training Mobility C4I Operations OPTEMPO Exercises Morale Leadership
c	Sustainability Factors
d	Modernization Factors
e	Force Structure Factors

PCTEF - Step Two

1	Since CROVL is always a major factor in PCTEF determination, commanding officers are limited to a PCTEF value associated with their unit's current CROVL rating, as indicated below.
CROVL-PCTEF COMPARISON TABLE	
<u>CROVL RATING</u>	<u>ACCEPTABLE MIN/MAX PCTEF RANGE</u>
1	085 to 100 Percent
2	070 to 090 Percent
3	060 to 080 Percent
4	000 to 059 Percent
5	000 Percent

F. Major Equipment and Crew Data (NWP 10-1-11, Chapter 7). The following major equipment (MEOPT) and crew data (CREWA) shall be reported by all cutters:

MEOPT

|1 |MEOPT data is not currently reported by this class of cutter.|

CREWA

|1 |CREWA data is not currently reported by this class of cutter.|

- G. Chemical, Biological Defense (NWP 10-1-11, Chapter 8).
 Wartime chemical, biological defense (CBD) status shall be reported by all units, even those not normally equipped and/or trained for CBD operations. CBD is not a mission area. It is reported separately under the Special Capability (SPCAP) reporting label. CBD status is only considered in the commander's assessment of percent effective (PCTEF) when CBD equipment and/or training are immediate factors that could impact mission performance.

CBD/EQUIPMENT

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	What percentage of the following wartime allowances are onboard?						
a	Repair Locker CBR Equipment	90%		80%		65%	
b	RADIAC (calibrated)	90%		80%		65%	
c	Gas Masks	90%		80%		65%	
d	Personal Dosimeters	90%		80%		65%	
e	Personal Decontamination Kits	90%		80%		65%	
2	Is the following mission critical equipment operable?						
a	Circle William Closures and Fittings	*----->					
b	CBR Washdown System #	*----->					
c	DECON Station	*--->					

Interim system rigged by unit personnel will suffice.

CBD/TRAINING

	1	<YES/NO>	2	<YES/NO>	3	<YES/NO>	4
1	Are the following personnel PQS or JQR qualified?						
a	Percentage of Condition I Damage Control Personnel PQS qualified in their specific billet assignment for CBR Defense	85%		70%		55%	

